



USER OPERATING INSTRUCTIONS

FRONT WHEELCHAIR TIE-DOWNS

*OF01, OF02, OF03, OF04, OF05, OF06, OF07
OFS01*

Read instructions carefully before use and follow them for correct use.
It is recommended that training be given on the proper use of this product.

Retain this manual for future reference.

Please include it with the product in the event of transfer to new users.

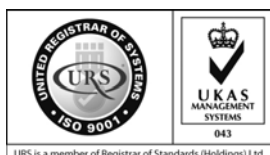
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UI2050A

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A. LIMITATIONS OF USE

1. Unwin wheelchair front tie-downs are designed to secure the front of the wheelchair when facing forward in the vehicle and must be used as instructed.
2. In addition to the details given in these Instructions, users of Unwin front tie-downs must refer to the wheelchair manufacturer's 'Instructions For Use in Transport' for full details of tie-down attachment points on the wheelchair, plus any other specific instructions relating to use in transport.
3. Wheelchair users and their carers must make sure that their wheelchair is recommended for use in transport, including any 'add-on' components such as power tilt or recline options.
4. An additional rear wheelchair tie-down system is required to secure the wheelchair for transport. (See appropriate Rear Tie-down Instructions)
5. An occupant restraint system is required when the wheelchair is occupied by a passenger whilst in transport. (See Unwin Instructions UI2055 for Occupant Restraint Systems).
6. Unwin products are extensively tested using Unwin Rail and Solo anchors and our full warranty applies to Unwin equipment fitted and used in accordance with our instructions.
7. The development of Unwin wheelchair tie-downs is a continuous process. Applications are added on a regular basis. Contact Unwin Safety Systems for full updates or look on Unwin's website.

B. GENERAL GUIDANCE

1. Wheelchair Accessories that have not been approved by the Wheelchair Manufacturer must be removed from the wheelchair and secured in the vehicle during transport to reduce the potential for injury. Refer to 'Instructions For Use in Transport' provided with the wheelchair or contact wheelchair manufacturer for further guidance.
2. Please read this manual before using Unwin wheelchair front tie-downs.
3. Regular inspection of all parts is recommended and the equipment should be used only if all components are in good condition.

3. Replace equipment when the webbing becomes cut, contaminated or frayed.
4. Any restraints which have been subjected to a crash situation should, in the interest of safety, be replaced immediately.
5. Do not attempt to modify the equipment. If there is a problem please contact Unwin Safety Systems.
6. Avoid contact with corrosive liquids and keep the webbing away from sharp edges. Care should be taken to prevent contamination of the webbing with polishes, oils and chemicals.
7. If the proposed installation cannot be made to comply with the following requirements, please contact Unwin Safety Systems.

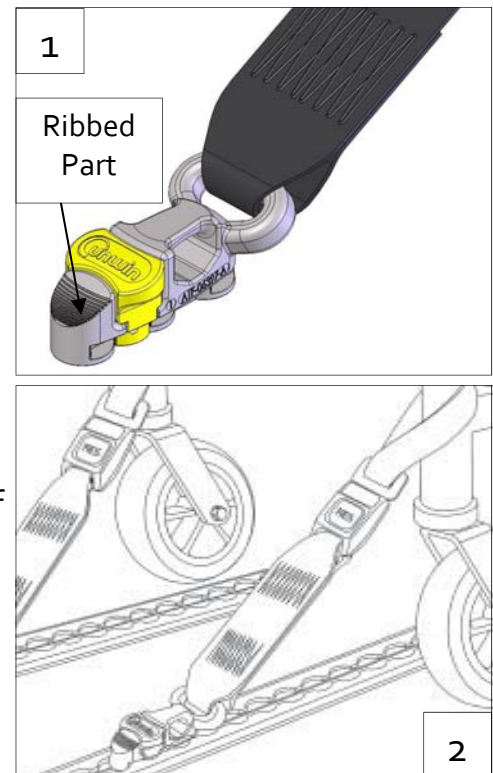
C. BEFORE USING THE FRONT TIE-DOWNS

1. Ensure that the wheelchair is correctly maintained and that settings of any adjustable parts are made according to 'Instruction for Use in Transport'.
2. Remove any items of luggage that may be attached to the wheelchair and secure or store separately during transport in order to reduce the potential for injury to other passengers travelling in the vehicle.
3. Extra care must be exercised when using vehicle boarding aids such as passenger lifts or ramps during the loading process. Refer to 'Instructions For Use' for information on safe slopes.
4. Position the wheelchair facing forward - centrally in the designated region of the vehicle.
Ensure wheelchair brakes are applied.
5. To minimise the potential for head injuries in an impact, allow a clear space of at least 400 mm behind and 650 mm in front of the head of the wheelchair user. The shoulder belt anchorage must be side-wall anchored at a height level with or above occupant shoulder level.
6. A height provision ranging from 1200mm to 1550mm should be made, depending on the size of the passenger. There should also be 200 mm of clear space either side of the wheelchair. If these clear space dimensions cannot be provided then any structure protruding into this space should be adequately padded.
7. Wheelchair users, their carers and family are advised to check vehicle specifications to ensure that sufficient floor space is available to accommodate the wheelchair and the tie-down system. Users of heavy powered wheelchairs are also advised to check vehicle carrying capacity. If in doubt consult the vehicle supplier for further details.

D. FITTING OFo1, OFo2, OFo6, OFo7



1. To attach the above front straps into the rail, align the feet of the ATF with the cut-out sections of the rail and locate into the rail.
2. Press on ribbed part of the ATF (Fig 1) and push firmly towards the wheelchair until the yellow clip drops and locks into place. Install the second clip. The position of this must be parallel with the first. **IMPORTANT: Check the plungers are fully engaged on both sides.**
3. With the buckles or karabiners facing outwards, connect the front straps to the front vertical & horizontal part of the wheelchair frame, above the castor wheel, creating an angle of around 40 to 45 ° (Fig 2). Some wheelchairs will indicate the attachment area. **Important: Check both sets of tongue and buckle are fully clipped together or both sets of Karabiner are fully closed.**
4. Pull the wheelchair back to tension the front straps and apply the wheelchair brakes.
5. The rear tie-down must now be fitted. Please refer to the appropriate user instructions.



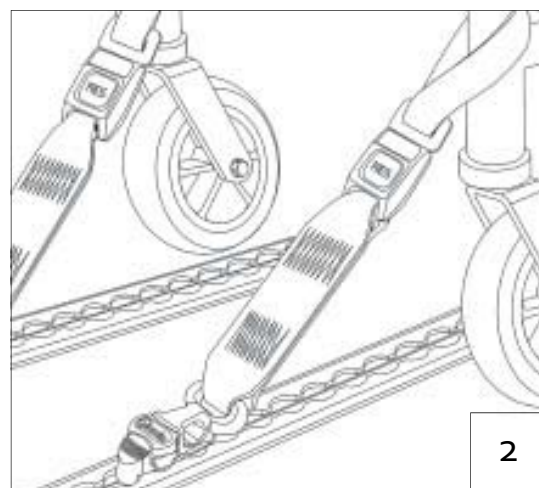
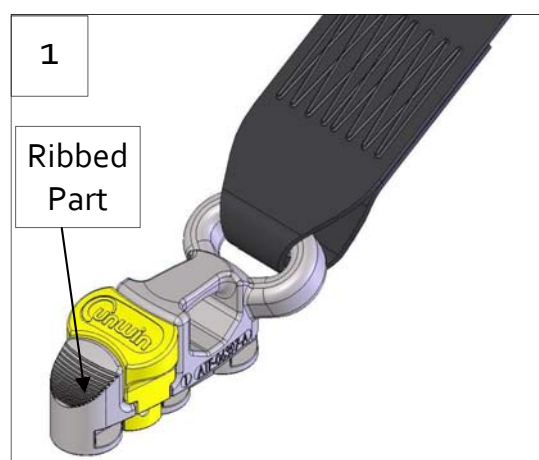
To remove the front tie-downs:

1. Once the rear tie-downs have been removed, release the wheelchair brakes, push the wheelchair forward to loosen the front straps and re-apply the brakes.
2. Release the front strap buckle, remove the strap from the wheelchair frame and clip back together or unfasten the Karabiner from the wheelchair frame.
3. Lift the yellow retaining clip fully and pull away from the wheelchair to remove the front strap from the rail. Repeat operation with the other strap.

E. FITTING OF₀₃



1. To attach OF₀₃ front straps into the rail, align the feet of the ATF with the cut-out sections of the rail and locate into the rail.
2. Press on the ribbed part of the ATF (Fig 1) and push firmly towards the wheelchair until the yellow clip drops and locks into place. Install the second clip. The position of this must be parallel with the first. **IMPORTANT: Check the plungers are fully engaged on both sides.**
3. Unfasten the Velcro, ensure the buckles are facing outwards and connect the front straps to the front vertical & horizontal part of the wheelchair frame, above the castor wheel, creating an angle of around 40 to 45° (Fig 2). Some wheelchairs will indicate the attachment area. **Important: Check both sets of tongue and buckle are fully clipped together and both straps are the same length.**
4. **Adjust the webbing to the right length and refasten the Velcro.**
5. Pull the wheelchair back to tension the front tie-down straps and apply the wheelchair brakes.
6. The rear tie-down must now be fitted. Please refer to the appropriate user instructions.



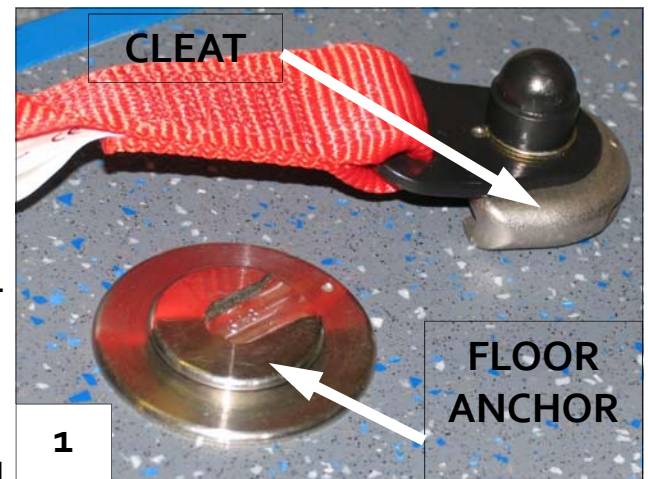
To remove the front tie-downs:

1. Once the rear tie-downs have been removed, unfasten the Velcro, release the front strap buckle, remove the strap from the wheelchair frame and clip back together.
2. Lift the yellow retaining clip fully and pull away from the wheelchair to remove the front strap from the rail. Repeat operation with the other strap.

F. FITTING OFS01



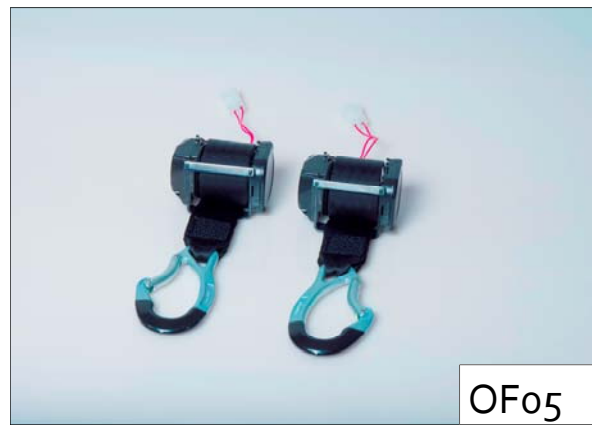
1. Attach the OFS01 front straps onto the front anchor points by aligning the button within the cleat, to the slot on the floor anchors (Fig 1).
2. Slide the cleat fully home (Fig 2), rotate the assembly through 90° to allow the tongue and buckle fixing to be attached to the wheelchair frame.
3. With the buckles facing outwards, connect the front straps to the front vertical & horizontal part of the wheelchair frame, above the castor wheel, creating an angle of around 40 to 45 °. Some wheelchairs will indicate the attachment area. **Important: Check both sets of tongue and buckle are fully clipped together.**
4. Pull the wheelchair back, to tension the front tie-down straps and apply the wheelchair brakes.
5. The rear tie-down must now be fitted. Please refer to the appropriate user instructions.



To remove the front tie-downs:

1. Once the rear tie-down has been removed, release the buckle on the front strap, remove the strap from the wheelchair frame and clip back together.
2. Turn the cleat back through 90° to release it and slide it off the floor anchor point. Repeat operation with the other strap.

G. FITTING OFo4, OFo5



1. These electric front tie-downs are installed with the retractors mounted to a load bearing area of the vehicle floor. Refer to the vehicle converter instruction on how to release the retractor for use .
2. With the buckles or karabiners facing outwards, connect the front straps to the front vertical & horizontal part of the wheelchair frame, above the castor wheel, creating an angle of around 40 to 45 ° . Some wheelchairs will indicate the attachment area. **Important: Check both sets of tongue and buckle are fully clipped together or both sets of Karabiner are fully closed.**
3. The electric retractor reels are capable of spooling out and being “locked off” electrically, when the slack is taken out of the assembly in use.
4. The rear tie-down must now be fitted. Please refer the appropriate user instructions.

To remove the front tie-downs:

1. Once the rear tie-downs have been removed, release the brakes, push the wheelchair forward to loosen the front straps and re-apply the wheelchair brakes.
2. Release the front strap buckle, remove the strap from the wheelchair frame and clip back together or unfasten the Karabiner from wheelchair frame. Repeat operation with the other strap.

H. EQUIPMENT STORAGE AND MAINTENANCE

1. Store the restraint safely off the floor to avoid damage and ensure that it cannot become a projectile in an accident. This can be achieved by using wall mounted storage rails or a stowage box.
2. Regularly inspect the front straps for damage, wear or malfunction. If any problems are identified replace them immediately.
3. All webbings and components can be cleaned as necessary, but care should be taken to prevent contamination of the webbing with polish, oils and chemicals.
4. To clean the straps, use warm soapy water and a clean soft cloth. Rinse with clear water and allow to air dry. To disinfect, use a mild spray disinfectant and do not use products containing bleach. **Important: when cleaning or disinfecting, do not immerse buckles, karabiners or rail fittings in the disinfectant or water.**
5. If the vehicle is involved in an accident when any restraints are deployed, remove them from service and replace immediately. If in doubt, please contact Unwin Safety Systems.

I. PRODUCT RANGE

Track Fitting

- OF01: Pair of Red Static Front Straps with Tongue & Buckle
- OF02: Pair of Red Static Front Straps with Karabiner
- OF03: Pair of Red Adjustable Front Straps with Tongue & Buckle
- OF04: Pair of Electric Reel with Tongue & Buckle
- OF05: Pair of Electric Reel with Karabiner
- OF06: Pair of Black Static Front Straps with Tongue & Buckle
- OF07: Pair of Black Static Front Straps with Karabiner

Solo Fitting:

- OFS01: Pair of Red Solo Static Front Straps with Tongue & Buckle

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